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SERVIR-AMAZONIA

The Amazon Basin is constantly changing and threatened due to large-scale infrastructure development, rapid agro-industrial expansion, natural resources extraction and a fluctuating environment. Using state-of-the-art geospatial and satellite technologies, SERVIR-Amazonia will empower authorities to track environmental changes in near real-time, evaluate the impact of climatic threats on resources, and rapidly respond to natural disasters. SERVIR is a joint global initiative between NASA and USAID.

SERVIR-Amazonia is part of SERVIR Global, a joint development initiative of the U.S. National Aeronautics and Space Administration (NASA) and the United States Agency for International Development (USAID). Since 2005, SERVIR has worked in partnership with countries to use information provided by Earth-observing satellites and geospatial technologies.

SERVIR-Amazonia will support sustainable development throughout the Amazon region by strengthening the capacity of governments and other key stakeholders to integrate Earth observation and geospatial technologies into improve decision-making and to better incorporate the voice of women, indigenous peoples and their communities.

HOW DOES THE ACTIVITY WORK?

SERVIR connects space to villages: SERVIR Amazonia will promote collaboration among governments, universities, non-governmental organizations, community groups and U.S. scientists to use geospatial information services to foster sustainable development across the Amazon region.

SERVIR-Amazonia will distribute the services and knowledge to the national and international end users of the Amazon region.

RESULTS ACHIEVED

- SERVIR-Amazonia has reached 159 decision-makers to collaborate on defining and prioritizing needed geospatial information to promote sustainable development across the Amazon region.

- To make geospatial information easily accessible to decision makers such as indigenous communities and/or government authorities, SERVIR has co-developed 12 tools. One interesting tool is the Gold Mining Monitoring uses Synthetic Aperture Radar, which allows users in Peru to see high resolution topographic images regardless of weather conditions. Another tool is the Amazon Forest-Agriculture Interface which uses ecosystem services modeling to detect and monitor forest change and sustainable business practices in Colombia, Peru and Brazil.

- A new service developed with the Ministry of Environment of Ecuador brings SERVIR's Regional Land Cover Monitoring System to expand Ecuador's current national greenhouse gas inventory and provide decision-makers better information for targeting emissions reduction.

PROJECT INFORMATION

IMPLEMENTER: International Center for Tropical Agriculture (CIAT) and a consortium of local and international partners, including Instituto de Manejo e Certificação Florestal e Agrícola (IMAFLORA) in Brazil and Asociación para la Conservación de la Cuenca Amazónica (ACCA) in Peru.

ACTIVITY DURATION: December 21, 2018 – December 21, 2023

USAID FUNDING: $9 million

LOCATION: Brazil, Colombia, Ecuador, Guyana, Perú and Suriname

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